

MSQB Madness II

Replacements Packet

Edited by: Aalok Bhattacharya, Andrew Gao, Cindy Gao, Charles Heydt, Aditya Khambekar, Lukas Koutsoukos, Sam Macchi, and Neev Sahgal.

**PLEASE DM ANDREW GAO (pandruwu#0754) IF YOU REQUIRE
ADDITIONAL REPLACEMENTS. PLEASE SEND THE CATEGORY AND
SUBCATEGORY NEEDED.**

This page is empty to help people who wish to read these questions to themselves.

Tossups

This author's final novel tells the story of Francis Marion Tarwater and is titled *The Violent Bear it Away*. In a novel by this author, Hazel Motes returns to Tennessee, and that novel is *Wise Blood*. In a short story by this author, (*) Julian's mother attempts to give a boy a penny and in another a character might have been good if there was someone to shoot her "every minute of her life." The grandma and the Misfit were created by, for 10 points, what author of "Everything that Rises Must Converge" and "A Good Man is Hard to Find"?

ANSWER: Mary Flannery **O'Connor** <Literature - American, Pujara>

NOTE TO PLAYERS: description acceptable.

In the short story "Mirror Image," Elijah Baley works with one of these characters named R. Daneel Olivaw to solve a series of murders, who also appears in *The Caves of Steel*. In a play titled for these characters, a manuscript containing Dr. Gall's formula for biogene and the omega enzyme is burned. That play opens with (*) factory manager Harry Domin dictating letters to Helena Glory, and ends with a revolt killing all humans except Alquist, who calls two of these characters named Primus and Helena the new Adam and Eve. For 10 points, name these beings central to Karel Capek's *R.U.R.*, for which 3 Laws were developed by Isaac Asimov.

ANSWER: robots [accept word forms or synonyms such as **cyborgs**, **androids**, **automatons**, etc.] <Literature - European, Bodducherla>

The Maclaurin series for hyperbolic and spherical geometry is a derivation of this theorem. Pappus's area theorem uses the basis of this theorem to construct a ratio of parallelograms. This theorem is also the basis of the Spiral of Theodorus, whose namesake consecutive ratios are square roots of positive integers. Multiplying this formula by the (*) area factor creates a relationship between similar shapes. De Gua's theorem is a three-dimensional generalization of this formula, which is a relation between the areas of the faces of a tetrahedron. This is the highest case in which Fermat's last theorem holds true. For 10 points, name this theorem of right triangles which postulates that $a^2 + b^2 = c^2$ ("a squared plus b squared equals c squared").

ANSWER: **Pythagorean** Theorem [or **Pythagoras'** theorem accept $a^2 + b^2 = c^2$ ("a squared plus b squared equals c squared") before mention] <Science - Math, Qin>

This person names a theorem regarding hexagons in conic sections. This man, who created a mechanical calculator to help with their father's taxes, wrote a work defending Antoine Arnauld and expressing anti-Jesuit beliefs. This person also made their "probability theory" with Pierre de Fermat. The Provincial Letters were written 13 years before this man's *Pensées* ("pen-say"), which argues for (*) believing in God in the event God exists. That concept is this man's "wager." Numbers are derived from adding the two numbers above them in, for 10 points, what mathematician's namesake triangle?

ANSWER: Blaise **Pascal** <Science - Math, Henry> [Ed. Khambekar]

Two misconceptions about the nature of this force include the Equal Transit Theory and the Skipping Stone Theory. For small angles, this force is proportional to the angle of attack. The Magnus effect produces the "dynamic" type of this force using Newton's third law. Through Bernoulli's principle, the up and down motions of ailerons can change the amount of this force produced by each (*) wing. There must be a pressure gradient to produce this force that acts perpendicularly to the flow direction and the force of thrust. For 10 points, name this force that commonly acts in the opposite direction of gravity, and holds an airplane in the air.

ANSWER: **lift** <Science - Physics, Benalan>

A memorial to this event contains a field full of empty chairs and a gate inscribed “9:02.” William Luther Price’s The Turner Diaries may have been the motive for a perpetrator in this event. Charles Porter won the Pulitzer Prize for his photo depicting a fireman rescuing a baby during this event. The earlier (*) Ruby Ridge and Waco sieges inspired the perpetrators of this attack, who used ANNM fertilizer for a Ryder truck bomb. Terry Nichols and Timothy McVeigh carried out, for 10 points, what attack on the Alfred P. Murrah building in the namesake city?
ANSWER: **Oklahoma City bombing** [or **OKC bombing**] <History - American, Finan> [Ed. A. Gao/Khambekar]

This leader responded to Spruille Brandon’s Blue Book by writing the Blue and White Book. This leader became the Secretary of Labor and Welfare after supporting a coup that overthrew Ramon Castillo. This leader’s followers were killed by the right-wing “Triple-A” death squad during a massacre at (*) Ezeiza Airport. Those followers were part of the guerilla group known as the Montaneros, which differed from this man’s followers whose name translates as “shirtless ones,” the Descamisados. This man was succeeded by his wife Isabel, whom he married when his wife Evita died. For 10 points, name this three-time president of Argentina.
ANSWER: Juan **Peron** <History - World, Henry>

NOTE TO PLAYERS: *A general term is acceptable.*

A person with this relation to Finn McCool was turned into a deer and was named Sadhbh (“Sav”). It’s not siblings, but Atum (“ah-tumn”) created two gods with this relation out of primordial darkness, Shu (“shoe”) and Tefnut (“tehf-noot”). Yue Xia Lao Ren (“yweh shyah lao rhen”) ties people that have this relation to each other with a (*) “red string of fate.” Plato’s *Symposium* claims that Zeus split humans with two heads and four arms into halves, and the halves had this relation. For 10 points, name this term that describes people who are destined by fate to be together.
ANSWER: **soulmates** [accept **lovers**; accept descriptions of being **married**, and other synonyms] <RMPSS - Myth, Zou> [Ed. C. Gao/Khambekar]

Archibold Cox investigated disturbances at this location in the late 60s after leaving Harvard. Notable alumni of this school include Dodgers pitcher Sandy Koufax and prized author Zora Neale Hurston. Founded in 1754 by King George II, and this location can be accessed through the Morningside Heights Campus on 116th street. Franz (*) Boas headed this location’s anthropology department. John Jay and Alexander Hamilton attended this location, when it was called King’s College. For 10 points, name this Ivy League College found in upper Manhattan in New York City.
ANSWER: **Columbia** University <Other, Finan>

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